

TO: Kent Shiffer
Earth Science Project Office
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Flight Report

Aircraft :	Ultima Thule Outfitters DHC-3 Otter
Operating Site(s) From / To :	UTO / Petersburg
Flight Date :	May 23, 2009
Flight Number / Data Flight # :	2/2
Time out:	8 am local
Time in:	5 pm local
Flight Time :	8.0
Flt Request # / PI:	Chris Larsen, IBA2009
Purpose of Flight :	Data [X] Ferry [] Functional Check [] Other []
Sensor Payload :	Geophysical Institute UAF laser altimetry system
Comments :	After preflight aircraft and instrument checks, the laser altimetry surveys continued, with multiple profiles flown on the broad upper accumulation zones of the South Sawyer, Sawyer and Dawes Glaciers. These zones present the best areas for IceSAT comparisons and change detection, and our flight lines crossed multiple IceSAT lines throughout the surveys. The final flight lines of the morning were flown on the North Dawes Glacier, and a final glacier landing on skis was performed next to the northern GPS base station. A short ferry flight for refueling in Juneau, and then ferry back to Ultima Thule Lodge for the evening. All the data were downloaded, checked and backed up. All instruments performed great throughout the campaign, as did the aircraft and pilot. In all, 25 profiles over 10 glaciers of the Stikine Icefield were collected, representing 70-80% of the total ice area there. By the end of the ferry flight back to Ultima Thule Lodge,

	the coastal weather appeared to be coming down. Forecasts indicate poor weather for May 24, so no flights are planned.
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SUBMITTED BY: Chris Larsen

25 May 2009

Map showing the laser ground tracks over the Stikine Icefield:



